



TITLE V OPERATING PERMIT

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-33 of the Regulations of Connecticut State Agencies (RCSA) and pursuant to the Code of Federal Regulations (CFR), Title 40, Part 70.

Title V Permit Number	105 – 0063 – TV
Client/ Sequence /Town/Premises Numbers	7741 / 0005/ 105 / 014
Date Issued	June 27, 2002
Expiration Date	June 27, 2007

Corporation:

NRG Devon Operations, Inc.

Premises Location:

Naugatuck Avenue, Devon (Milford), Connecticut 06460

Name of Responsible Official and Title:

Alan J. Rice, Plant Manager

All the following attached pages, 2 through 39, are hereby incorporated by reference into this Title V Operating Permit.

JANE K. STAHL
Arthur J. Rocque, Jr.
Commissioner

June 27, 2002
Date

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Title V Operating Permit

All conditions in Sections III, IV, VI and VII of this permit are enforceable by both the Administrator and the Commissioner unless otherwise specified. Applicable requirements and compliance demonstration are set forth in Section III of this permit. The Administrator or any citizen of the United States may bring an action to enforce all permit terms or conditions or requirements contained in Sections III, IV, VI and VII of this permit in accordance with the Clean Air Act (CAA), as amended.

LIST OF ACRONYMS

ACRONYM	DESCRIPTION
AP-42	Compilation of Air Pollutant Emission Factors (EPA Fifth Edition)
ASC	Actual Stack Concentration
BAM	Bureau of Air Management
BACT	Best Available Control Technology
CAAA	Clean Air Act Amendments of 1990
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CO	Carbon Monoxide
CP/OP	Construction Permit/Operating Permit
DEP	Department of Environmental Protection
EMU	Emission Unit
EPA	Environmental Protection Agency
ERC	Emission Reduction Credit
FLER	Full Load Emission Rate
GEMU	Grouped Emission Unit
HAP	Hazardous Air Pollutant
MASC	Maximum Allowable Stack Concentration
MACT	Maximum Achievable Control Technology
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standard
NSR	New Source Review
PM-10	Particulate Matter less than 10 microns
RACT	Reasonably Available Control Technology
RMP	Risk Management Plan
RCSA	Regulations of Connecticut State Agencies
SO _x	Sulfur Dioxides
TPY	Tons per 12 consecutive months
TSP	Total Suspended Particulates
VOC	Volatile Organic Compound

Section I: Premises Information / Description

A. PREMISES INFORMATION

Nature of Business: Electric Power Generation

Primary SIC: 4911

Other SIC: none

Facility Mailing Address: NRG Devon Operations, Inc. Naugatuck Avenue, Devon, CT 06460

Telephone Number: (860) 346-9639

B. PREMISES DESCRIPTION

Devon Station is located on Naugatuck Avenue in the Devon section of Milford, Connecticut. The station produces electricity for sale. The station consists of two steam electric generating boilers (Units 7 and 8) and five combustion turbines (Units 10-14) for the production of electricity. Additional emissions units at the station include two auxiliary steam boilers and two glycol burners. The total electrical output from the station is 398 megawatts (MW).

The steam electric generating boilers at Devon are Combustion Engineering (CE) tangentially fired boilers. They are located within the main power plant building.

Units 7 and 8 are identical each rated at 1,139 MMBtu/Hr and capable of producing 109 MW. Units 7 and 8 are capable burning No.6 oil, No.2 oil (for start-up, shut-down and operational stabilization) and natural gas on an interruptible basis.

Units 7 and 8 have a common stack equipped with an electrostatic precipitator for particulate emission control and an opacity monitor for compliance verification. Units 7 and 8 are Phase II Acid Rain Sources and their CEM system has been certified in accordance with 40 CFR 75.

Two Springfield front-fired, No.6 oil, auxiliary steam boilers operate at Devon Station. These units are used to provide steam for boiler warm-up. They are located within the main power plant building.

There are also two Cleaver Brooks gas-fired glycol boilers at Devon Station. They are located outside of the main power plant building in a separate shelter.

Unit 10 is a 20 MW Pratt & Whitney FT4A-8 combustion turbine. It is located north of the main power plant building. This unit is subject to Consent Order #8181 which discusses NOx RACT compliance and NOx trading ERCs for peaking units.

Units 11-14 are each 40 MW General Electric LM6000 dual fuel fired combustion turbines. They are located north of the main power plant building each with its own stack. Water injection is employed for NOx control on all four units.

The Devon Station has been given approval to blend No.6 oil with > 1.0% sulfur. This activity has been determined to be less than 1.0 ton per year of potential emissions and thus is deemed an insignificant activity. However, the approval continues to be in effect given that NRG Devon Operations, Inc. complies with the terms and conditions listed for fuel blending in Section III 'Premises Applicable Requirements' of this permit.

Section II: Emissions Units Information: SOS and AOS

A. EMISSIONS UNITS IDENTIFICATION: STANDARD OPERATING SCENARIO (SOS) AND ALTERNATIVE OPERATING SCENARIOS (AOS)

Emission units are set forth in Table II.A.1.

TABLE II.A.1: EMISSIONS UNIT DESCRIPTION			
Emissions Units	Emissions Unit Description	Control Unit Description	Permit, Order, or Registration Number*
EMU1	Dual fuel fired 1,139 MMBtu/hr electric utility steam boiler, Unit 7	Electrostatic Precipitator	R105-0055
EMU2	Dual fuel fired 1,139 MMBtu/hr electric utility steam boiler, Unit 8	Electrostatic Precipitator	R105-0058
EMU3	No.6 oil fired Springfield auxiliary steam boiler #1	None	R105-0039
EMU4	No.6 oil fired Springfield auxiliary steam boiler #2	None	R105-0040
EMU5	Cleaver Brooks Natural Gas fired glycol boilers #1	None	None
EMU6	Cleaver Brooks Natural Gas fired glycol boilers #2	None	None
EMU7	Pratt & Whitney 20 MW Combustion Turbine Model FT4A-8	None	R105-0026
EMU8	General Electric 40 MW Combustion Turbine Model LM6000, Unit 11	Water Injection	105-0040
EMU9	General Electric 40 MW Combustion Turbine Model LM6000, Unit 12	Water Injection	105-0041
EMU10	General Electric 40 MW Combustion Turbine Model LM6000, Unit 13	Water Injection	105-0042
MU11	General Electric 40 MW Combustion Turbine Model LM6000, Unit 14	Water Injection	105-0043

Section II: Emissions Units Information: SOS and AOS

TABLE II.A.1: EMISSIONS UNIT DESCRIPTION, CONTINUED			
Emissions Units	Emissions Unit Description	Control Unit Description	Permit, Order, or Registration Number*
GEMU1	EMU1 and EMU2	See above	See above
GEMU2	EMU3 and EMU4	See above	See above
GEMU3	EMU5 and EMU6	See above	See above
GEMU4	EMU8 through EMU11	See above	See above

(*) It is not intended to incorporate by reference these NSR Permits, Orders, or Registrations into this Title V Operating Permit.

The permittee shall be allowed to operate under the following scenarios without notifying the Commissioner, provided that such operations are explicitly provided for and described in the table below. The permittee shall record contemporaneously, the operating scenario under which each emissions unit is operating in a log to be kept at the subject premises.

TABLE II.A.2: EMISSIONS UNIT IDENTIFICATION, SOS AND AOS		
Identification of Operating Scenarios	Emissions Units Associated with the Scenarios	Description of Scenarios
SOS1	EMU1 through EMU4, and EMU7 through EMU11 (GEMU1, GEMU2, GEMU4)	All emissions units associated with SOS1 shall be operated in accordance with applicable permit or registration terms and conditions, and in accordance with best management practices while all combustion sources shall operate combusting liquid fuels.
AOS1	EMU1, EMU2, EMU5, EMU6 and EMU8 through EMU11 (GEMU1, GEMU3, GEMU4)	All emissions units associated with AOS1 shall be operated in accordance with applicable permit or registration terms and conditions, and in accordance with best management practices while all combustion sources shall operate combusting natural gas.

Section III: Applicable Requirements and Compliance Demonstration

The following tables contain summaries of applicable regulations and compliance demonstration for each identified Emissions Unit and Operating Scenario, regulated by this Title V permit.

A. GROUPED EMISSIONS UNIT 1 (GEMU 1)

TABLE III.A: UTILITY STEAM BOILERS (UNITS 7 AND 8)				
*Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
SOS1	NOx burning No.6 oil	Less than or equal to 0.25 lbs/MMBtu	RCSA 22a-174-22(e)(1)	<p><u>Monitoring and Testing Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall maintain daily and hourly records of fuel consumption. 2. The permittee shall operate and maintain a Continuous Emission Monitoring system (CEM). <p><u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u> See Section VII</p>
AOS1	NOx burning Natural Gas	Less than or equal to 0.20 lbs/MMBtu	RCSA 22a-174-22(e)(1)	<p><u>Monitoring and Testing Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall maintain daily and hourly records of fuel consumption. 2. The permittee shall operate and maintain a Continuous Emission Monitoring system (CEM). <p><u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u> See Section VII</p>

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.A: UTILITY STEAM BOILERS (UNITS 7 AND 8), CONTINUED				
*Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
SOS1 and AOS1	NOx Budget	NOx allowance compliance	RCSA 22a-174-22(a)	<p><u>Monitoring and Testing Requirements</u> The permittee shall achieve compliance with monitoring and testing as described in RCSA 22a-174-22a(i).</p> <p><u>Record Keeping Requirements</u> The permittee shall make and keep records as described in RCSA 22a-174-22a(j).</p> <p><u>Reporting Requirements:</u></p> <ol style="list-style-type: none"> 1. The permittee shall report as described in RCSA 22a-174-22a(j). 2. Also See Section VII
SOS1	TSP	Less than or equal to 0.14 lbs/MMBtu heat input	<p>RCSA 22a-174-18(d)(1)</p> <p>RCSA 22a-174-33(o)(1)</p>	<p><u>Monitoring Requirements</u> Daily records of fuel consumption shall be kept for this emissions unit.</p> <p><u>Record Keeping Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. 2. The permittee shall calculate emissions every six months and include the method used to arrive at the calculated values. <p><u>Reporting Requirements:</u> See Section VII The permittee shall report as described in RCSA 22a-174-22a(j)</p>

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.A: UTILITY STEAM BOILERS (UNITS 7 AND 8), CONTINUED				
*Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
SOS1 and AOS1	Opacity	Less than 20% opacity, except that this limitation may be exceeded for no longer than five minutes in any 60 minute period provided that opacity does not exceed 40% at any time.	<p>RCSA 22a-174-18(a)(1)</p> <p>RCSA 22a-174-4(b)</p> <p>RCSA 22a-174-18(a)(1)(ii)</p> <p>RCSA 22a-174-4(c)(1)</p>	<p><u>Monitoring and Testing Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall maintain hourly records of fuel consumption. 2. The permittee shall also operate and maintain a continuous opacity monitoring system in accordance with the commissioner. <p><u>Record Keeping Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall maintain records of the dates and times of all opacity exceedances including the operating conditions at the time of the exceedance. 2. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. <p><u>Reporting Requirements:</u> See Section VII</p>

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.A: UTILITY STEAM BOILERS (UNITS 7 AND 8), CONTINUED				
*Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
SOS1	SO _x	Less than or equal to 1.0% sulfur by weight (dry basis)	RCSA 22a-174-33(o)(1) RCSA 22a – 174-5(b)(1) CGS 16a-21a	<p><u>Monitoring and Testing Requirements:</u> Analysis to determine sulfur content of liquid fuels shall be done according to the most current American Society for Testing and Materials (ASTM) Methods.</p> <p><u>Record Keeping Requirements</u> 1. The permittee shall obtain a fuel certification from the fuel supplier certifying the type of fuel and the weight percent of sulfur in the fuel (dry basis). 2. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u> See Section VII</p>
SOS1	SO ₂	SO ₂ Allowances	105-001-TIV 40 CFR 73, 40CFR75	<p><u>Monitoring, Record Keeping and Reporting Requirements:</u> 1. The permittee shall stay in compliance with the SO₂ allowance system of the Acid Rain Program defined in Title IV of the Clean Air Act Amendments of 1990. 2. The EMU1 (Unit 7) SO₂ allowances are 2,698 tons annually through 2009 3. The EMU2 (Unit 8) SO₂ allowances are 2,885 tons annually through 2009 4. Monitoring shall be done in accordance with 40CFR75 acid rain CEM guidelines.</p>

Section III: Applicable Requirements and Compliance Demonstration

B. GROUPED EMISSIONS UNIT 2 (GEMU2)

TABLE III.B: TWO AUXILIARY STEAM BOILERS (UNITS 2A AND 2B)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
SOS1	NOx burning No.6 oil	Less than or equal to 0.25 lbs/MMBtu	RCSA 22a-174-22(e)(1)	<p><u>Monitoring and Testing Requirements</u></p> <p>1. The permittee shall maintain daily and hourly records of fuel consumption.</p> <p><u>Record Keeping Requirements</u></p> <p>The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u> See Section VII</p>
SOS1	TSP	Less than or equal to 0.14 lbs/MMBtu heat input	<p>RCSA 22a-174-18(d)(1)</p> <p>RCSA 22a-174-33(o)(1)</p>	<p><u>Monitoring Requirements</u></p> <p>Daily records of fuel consumption shall be kept for this emissions unit.</p> <p><u>Record Keeping Requirements</u></p> <p>1. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p>2. The permittee shall calculate emissions every six months and include the method used to arrive at the calculated values.</p> <p><u>Reporting Requirements:</u> See Section VII</p> <p>The permittee shall report as described in RCSA 22a-174-22a(j)</p>

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.B: AUXILIARY STEAM BOILERS (UNITS 2A AND 2B), CONTINUED				
*Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
SOS1 and AOS1	Opacity	Less than 20% opacity, except that this limitation may be exceeded for no longer than five minutes in any 60 minute period provided that opacity does not exceed 40% at any time.	RCSA 22a-174-18(a)(1) RCSA 22a-174-4(b) RCSA 22a-174-18(a)(1)(ii) RCSA 22a-174-4(c)(1)	<u>Monitoring and Testing Requirements</u> 1. The permittee shall maintain hourly records of fuel consumption. 2. The permittee shall also operate and maintain a continuous opacity monitoring system in accordance with the commissioner. <u>Record Keeping Requirements</u> 1. The permittee shall maintain records of the dates and times of all opacity exceedances including the operating conditions at the time of the exceedance. 2. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. <u>Reporting Requirements:</u> See Section VII

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.B: AUXILIARY STEAM BOILERS (UNITS 2A AND 2B), CONTINUED				
*Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
SOS1	SO _x	Less than or equal to 1.0% sulfur by weight (dry basis)	<p>RCSA 22a-174-33(o)(1)</p> <p>RCSA 22a – 174-5(b)(1)</p> <p>CGS 16a-21a</p>	<p><u>Monitoring and Testing Requirements:</u> Analysis to determine sulfur content of liquid fuels shall be done according to the most current American Society for Testing and Materials (ASTM) Methods.</p> <p><u>Record Keeping Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall obtain a fuel certification from the fuel supplier certifying the type of fuel and the weight percent of sulfur in the fuel (dry basis). 2. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. <p><u>Reporting Requirements:</u> See Section VII</p>

Section III: Applicable Requirements and Compliance Demonstration

C. GROUPED EMISSIONS UNIT 3 (GEMU3)

TABLE III.C: 2 NATURAL GAS FIRED GLYCOL BOILERS				
*Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
AOS1	NO _x	Less than or equal to 0.20 lbs/MMBtu	RCSA 22a-174-22(e)(1)	<p><u>Monitoring and Testing Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall maintain daily and hourly records of fuel consumption. 2. The permittee has demonstrated compliance using stack test data and fuel usage. <p><u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u> See Section VII</p>

Section III: Applicable Requirements and Compliance Demonstration

D. EMISSIONS UNIT 10 (EMU-10)

TABLE III.D: P&W 20MW GAS TURBINE (UNIT 10)				
*Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
SOS1	NOx	Less than or equal to 0.289 lbs/MMBtu	Consent Order # 8181 RCSA 22a-174-22(e)(1)	<u>Monitoring and Testing Requirements</u> 1. Daily record keeping of fuel consumption. 2. Stack testing shall be completed at least one year before the expiration of this permit, coinciding with NOx RACT testing. <u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. <u>Reporting Requirements:</u> See Section VII
SOS1	NOx Budget	NOx allowance compliance	RCSA 22a-174-22(a)	<u>Monitoring and Testing Requirements</u> The permittee shall achieve compliance with monitoring and testing as described in RCSA 22a-174-22a(i). <u>Record Keeping Requirements</u> The permittee shall make and keep records as described in RCSA 22a-174-22a(j). <u>Reporting Requirements:</u> The permittee shall report as described in RCSA 22a-174-22a(j). Also See Section VII

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.D: P&W 20MW GAS TURBINE (UNIT 10), CONTINUED				
*Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
SOS1	TSP	Less than or equal to 0.20 lbs/MMBtu heat input	RCSA 22a-174-18(d)(1) RCSA 22a-174-33(o)(1)	<p><u>Monitoring Requirements</u> Daily records of fuel consumption shall be kept for this emissions unit.</p> <p><u>Record Keeping Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. 2. The permittee shall calculate emissions every six months and include the method used to arrive at the calculated values. <p><u>Reporting Requirements:</u> See Section VII The permittee shall submit emissions calculations to the Commissioner every six months commencing from the date of issuance of this Title V permit.</p>
SOS1	Opacity	Less than 20% opacity, except that this limitation may be exceeded for no longer than five minutes in any 60 minute period provided that opacity does not exceed 40% at any time.	RCSA 22a-174-18(a)(1) RCSA 22a-174-4(b) RCSA 22a-174-18(a)(1)(ii) RCSA 22a-174-4(c)(1)	<p><u>Monitoring and Testing Requirements</u> The permittee shall maintain hourly and daily records of fuel consumption.</p> <p><u>Record Keeping Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall maintain records of the dates and times of all opacity exceedances including the operating conditions at the time of the exceedance. 2. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. <p><u>Reporting Requirements:</u> See Section VII</p>

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.D: P&W 20MW GAS TURBINE (UNIT 10), CONTINUED				
*Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
SOS1	SO _x	Less than or equal to 1.0% sulfur by weight (dry basis)	RCSA 22a-174-19(a)(2)(i)	<p><u>Monitoring and Testing Requirements</u> The permittee shall maintain daily and hourly records of fuel consumption. The permittee shall obtain a certification from the fuel supplier stating the sulfur content in each fuel shipment received at the premises.</p> <p><u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u> See Section VII</p>
SOS1	Hours of Operation	168 Hours per turbine per calendar year unless a continuous emission monitor for opacity is installed	<p>RCSA 22a-174-4(b)(3)</p> <p>RCSA 22a-174-4(b)(3)(i)</p> <p>RCSA 22a-174-4(b)(3)</p>	<p><u>Monitoring and Testing Requirements</u> The permittee shall record every hour of operation for this turbine unit and keep records of the hours of operation on a calendar year basis.</p> <p><u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u> See Section VII</p>
SOS1	NO _x Emission Reduction Credits (ERCs)	For NO _x emissions greater than the allowable rate of 0.289 lbs/MMBtu	RCSA 22a-174-22(j), Trading Agreement and Order # 8181	<ol style="list-style-type: none"> ERCs must be obtained for excess emissions as defined by Trading Agreement and Order # 8181. The permittee shall comply with paragraphs i through iv below.

Section III: Applicable Requirements and Compliance Demonstration

- i. In accordance with Trading Agreement and Order # 8181, prior to the beginning of the 1998 ozone season and continuing until 2002 or modification and/or discontinuance of the Department of Environmental Protection's "*Credit Trading for Sources with Irregular NOx Emissions*" policy, revised on February 10, 2000, the permittee shall have in its possession the greater of: 1) the total anticipated excess NOx emissions in tons for the entire ozone season (mass basis); or 2) the maximum estimated excess NOx emissions in pounds per day divided by 3 divided by 13 pounds per day per ton (peak (daily rate) basis). The underlying emission rates, units, and hours of operation set forth in Exhibit 1 may be modified only after consent of the Commissioner by written modification of Trading Agreement and Order # 8181.
- ii. For 2000 non-ozone season and continuing through the 2002 ozone season or modification and/or discontinuance of the Department of Environmental Protection's "*Credit Trading for Sources with Irregular NOx Emissions*" policy, revised on February 10, 2000, The permittee shall obtain ERCs pursuant to the following calculation prior to each month that ERCs are used:

$$\text{ERCs (tons)} = [(\text{FLER in lbs/MMBtu}) - 0.95 \times 2.89 \text{ lbs/MMBtu}] \times (\text{anticipated fuel use in MMBtu}) \div 2000 \text{ lbs/ton}$$

where: FLER is defined in Trading Agreement and Order # 8181 (Table 1) in lbs/MMBtu for EMU7

- iii. Within thirty (30) days of the 1999 non-ozone season and continuing thereafter while Trading Agreement and Order # 8181 remains in effect, the permittee shall calculate the actual ERCs used on a monthly basis during said months and non-ozone seasons pursuant to the following calculation:

$$\text{ERCs (tons)} = [(\text{FLER in lbs/MMBtu}) - 0.95 \times 2.35 \text{ lbs/MMBtu}] \times (\text{actual fuel use in MMBtu}) \div 2000 \text{ lbs/ton} .$$

- iv. No later than March 1st of every year that Trading Agreement and Order # 8181 is in effect, the permittee shall include with its annual emissions report to the Commissioner, the fuel consumed and ERCs used for the previous calendar year (by ozone and non-ozone seasons).

Section III: Applicable Requirements and Compliance Demonstration

E. GROUPED EMISSIONS UNIT GEMU4

Note that pounds/hour limits are per turbine and, all annual fuel and tonnage limits are for emissions units (EMU8, EMU9, EMU10 and EMU11) in total. Hourly and Heat input based limits are on an individual per turbine basis.

TABLE III.E: FOUR (4) - GE LM6000 40 MW GAS TURBINES				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
SOS1 and AOS1	Allowable Fuel Usage	<u>No.2 Fuel Oil</u> 1) 2,920 gallons/hour per gas turbine 2) Less than or equal to 48.8 million gallons / year. 3) The 4 turbine units shall not operate more than a combined 72 hours per day on No.2 fuel oil. 4) The permittee shall only burn fuel oil during the non-ozone season (October 1 st through April 30 th), unless there is a gas curtailment or during peak energy demand times.	Permits # 105-0040, 105-0041, 105-0042 & 105-0043	<u>Monitoring and Testing Requirements</u> 1. The permittee shall maintain daily and hourly records of both natural gas and fuel oil consumption for each of the gas turbines. 2. The permittee shall maintain daily records of the hours of operation for each of the four gas turbines. <u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. <u>Reporting Requirements:</u> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII
		<u>Natural Gas</u> 1) 400,000 ft ³ /hour per gas turbine 2) Less than or equal to 12,933.2 million cubic feet per year.		<u>Monitoring and Testing Requirements</u>

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.E: FOUR (4) - GE LM6000 40 MW GAS TURBINES				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
SOS1	PM-10	1) Less than or equal to 11.6 lb./hour per turbine unit, 2) Less than or equal to 0.029 lb./MMBtu, and 3) Less than or equal to 96.44 tons per year for all four units combined (GEMU4)	Permits # 105-0040, 105-0041, 105-0042 and 105-0043	<p>The permittee shall maintain daily and hourly records of fuel consumption.</p> <p><u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII</p>
AOS1	PM-10	1. Less than or equal to 5.20 lb./hour per turbine unit, 2. Less than or equal to 0.013 lb./MMBtu, and 3. Less than or equal to 84.04 tons per year for all four units combined (GEMU4)	Permits # 105-0040, 105-0041, 105-0042 and 105-0043	<p><u>Monitoring and Testing Requirements</u> The permittee shall maintain daily and hourly records of fuel consumption.</p> <p><u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII</p>
SOS1	NOx	1. Less than or equal to 70.0 lb./hour per turbine unit,	Permits # 105-0040,	<p><u>Monitoring and Testing Requirements</u> 1. The permittee shall operate and maintain a Continuous</p>

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.E: FOUR (4) - GE LM6000 40 MW GAS TURBINES				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
		2. Less than or equal to 0.175 lb./MMBtu, and 3. Less than or equal to 45 ppm, and 4. Less than or equal to 582.0 tons per year for all four units combined (GEMU4)	105-0041, 105-0042 and 105-0043	Emission Monitoring system (CEM). 2. The permittee shall maintain daily and hourly records of fuel consumption. <u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. <u>Reporting Requirements:</u> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII
AOS1	NOx	1. Less than or equal to 36.0 lb./hour per turbine unit, 2. Less than or equal to 0.09 lb./MMBtu, and 3. Less than or equal to 25 ppm, and 4. Less than or equal to 582.0 tons per year for all four units combined (GEMU4)	Permits # 105-0040, 105-0041, 105-0042 and 105-0043	<u>Monitoring and Testing Requirements</u> 1. The permittee shall operate and maintain a Continuous Emission Monitoring system (CEM). 2. The permittee shall maintain daily and hourly records of fuel consumption. <u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. <u>Reporting Requirements:</u> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII
SOS1 and AOS1	NOx	NOx allowance compliance	RCSA 22a-	<u>Monitoring and Testing Requirements</u>

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.E: FOUR (4) - GE LM6000 40 MW GAS TURBINES				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
	Budget		174-22(a)	<p>The permittee shall achieve compliance with monitoring and testing as described in RCSA 22a-174-22a(i).</p> <p><u>Record Keeping Requirements</u> The permittee shall make and keep records as described in RCSA 22a-174-22a(j).</p> <p><u>Reporting Requirements:</u></p> <ol style="list-style-type: none"> 1. The permittee shall report as described in RCSA 22a-174-22a(j). 2. Also See Section VII
SOS1 and AOS1	SO ₂	SO ₂ Allowances	105-001-TIV 40 CFR 73, 40CFR75	<p><u>Monitoring Record Keeping and Reporting Requirements:</u></p> <ol style="list-style-type: none"> 1. The permittee shall stay in compliance with the SO₂ allowance system of the Acid Rain Program defined in Title IV of the Clean Air Act Amendments of 1990. 2. SO₂ allowances for these four turbines shall be obtained from sources listed in 40CFR73 which have federal SO₂ allocations. 3. Continuous Emissions Monitors (CEMS) shall meet the requirements of 40CFR75 acid rain CEM guidelines.
SOS1	SO _x		Permits #	Monitoring and Testing Requirements

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.E: FOUR (4) - GE LM6000 40 MW GAS TURBINES				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
		<ol style="list-style-type: none"> 1. Less than or equal to 3.20 lb./hour per turbine unit, 2. Less than or equal to 0.008 lb./MMBtu, and 3. Less than or equal to 26.60 tons per year for all four units combined (GEMU4), 	105-0040, 105-0041, 105-0042 and 105-0043	<p>Analysis to determine sulfur content of liquid fuels shall be done according to the most current American Society for Testing and Materials Methods.</p> <p><u>Record Keeping Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall obtain a fuel certification from the fuel supplier certifying the type of fuel and the weight percent of sulfur in the fuel (dry basis). 2. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. <p><u>Reporting Requirements:</u></p> <ol style="list-style-type: none"> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII
AOS1	SOx	<ol style="list-style-type: none"> 1. Less than or equal to 0.24 lb./hour per turbine unit, 2. Less than or equal to 0.0006 lb./MMBtu, 3. Less than or equal to 0.97 tons per year for all four units combined (GEMU4) 	Permits # 105-0040, 105-0041, 105-0042 and 105-0043	<p><u>Monitoring and Testing Requirements:</u></p> <p>The permittee shall maintain daily and hourly records of fuel consumption.</p> <p><u>Record Keeping Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII <p><u>Reporting Requirements:</u></p>

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.E: FOUR (4) - GE LM6000 40 MW GAS TURBINES				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
AOS1	SO _x			<ol style="list-style-type: none"> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII
SOS1	VOC	<ol style="list-style-type: none"> 1. Less than or equal to 1.52 lb./hour per turbine unit, 2. Less than or equal to 0.0038 lb./MMBtu, and 3. Less than or equal to 12.64 tons per year for all four units combined (GEMU4) 	Permits # 105-0040, 105-0041, 105-0042 and 105-0043	<p><u>Monitoring and Testing Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee has demonstrated compliance through stack testing. 2. The permittee shall maintain daily and hourly records of fuel consumption. <p><u>Record Keeping Requirements</u></p> <p>The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u></p> <ol style="list-style-type: none"> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII
AOS1	VOC	<ol style="list-style-type: none"> 1. Less than or equal to 4.00 lb./hour per turbine unit, 2. Less than or equal to .010 lb./MMBtu, and 3. Less than or equal to 64.68 	Permits # 105-0040, 105-0041, 105-0042	<p><u>Monitoring and Testing Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee has demonstrated compliance through stack testing. 2. The permittee shall maintain daily and hourly records of fuel consumption. <p><u>Record Keeping Requirements</u></p>

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.E: FOUR (4) - GE LM6000 40 MW GAS TURBINES				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
		tons per year for all four units combined (GEMU4)	and 105-0043	<p>The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u></p> <ol style="list-style-type: none"> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII
SOS1	CO	<ol style="list-style-type: none"> 1. Less than or equal to 5.923 lb./hour per turbine unit, 2. Less than or equal to 0.0148 lb./MMBtu, and 3. Less than or equal to 49.24 tons per year for all four units combined (GEMU4) 	Permits # 105-0040, 105-0041, 105-0042 and 105-0043	<p><u>Monitoring and Testing Requirements</u></p> <ol style="list-style-type: none"> 1. The permittee has demonstrated compliance through stack testing. 2. The permittee shall maintain daily and hourly records of fuel consumption. <p><u>Record Keeping Requirements</u></p> <p>The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u></p> <ol style="list-style-type: none"> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII
AOS1	CO	<ol style="list-style-type: none"> 1. Less than or equal to 23.0 	Permits #	<u>Monitoring and Testing Requirements</u>

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.E: FOUR (4) - GE LM6000 40 MW GAS TURBINES				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
		lb./hour, 2. Less than or equal to 0.0575 lb./MMBtu, and 3. Less than or equal to 371.8 tons per year for all four units combined (GEMU4)	105-0040, 105-0041, 105-0042 and 105-0043	<ol style="list-style-type: none"> 1. The permittee has demonstrated compliance through stack testing. 2. The permittee shall maintain daily and hourly records of fuel consumption. <p><u>Record Keeping Requirements</u> The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created.</p> <p><u>Reporting Requirements:</u></p> <ol style="list-style-type: none"> 1. The permittee shall submit the records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. [RCSA Section 22a-174-4(c)(1)] 2. See Section VII

Section III: Applicable Requirements and Compliance Demonstration

F. PREMISES-WIDE GENERAL REQUIREMENTS

TABLE III.F: PREMISES-WIDE GENERAL REQUIREMENTS		
Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
Annual Emission Statements	RCSA §22a-174-4	The permittee shall submit annual emission inventory statements requested by the Commissioner as specified in RCSA §22a-174-4(c)(1).
Emergency Episode Procedures	RCSA §22a-174-6	The permittee shall comply with the procedures for emergency episodes as specified in RCSA §22a-174-6.
Public Availability of Information	RCSA §22a-174-10	The public availability of information shall apply, as specified in RCSA 22a-174-10.
Prohibition against Concealment/ circumvention	RCSA §22a-174-11	The permittee shall comply with the prohibition against concealment or circumvention as specified in RCSA 22a-174-11.
Open Burning	CGS §22a-174(f)	The permittee is prohibited from conducting open burning, except as may be allowed by CGS 22a-174(f).
Emission Fees	RCSA §22a-174-26	The permittee shall pay an emission fee in accordance with RCSA §22a-174-26(d).

Section III: Applicable Requirements and Compliance Demonstration

TABLE III.F: PREMISES-WIDE GENERAL REQUIREMENTS, CONTINUED		
Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
Fuel oil Blending	RCSA §22a-174-19	<p>The DEP hereby grants approval to the permittee to receive, store, and blend fuel oil with greater than one percent (1%) sulfur by dry weight in its non-operating, non-day tanks which are filled for daily burn, at the site, provided that the permittee complies with the following conditions:</p> <ol style="list-style-type: none"> 1. The permittee shall maintain records of the volume and sulfur content by dry weight of any and all fuel transfers into, out of, and between tanks; 2. The permittee shall inform the DEP in writing at least three (3) days prior to transferring fuel with greater than one percent (1%) sulfur dry weight from the facility to site(s) outside of Connecticut and shall specify the volume, percent (%) sulfur content by dry weight, and destination(s) of the fuel transferred; 3. The permittee shall not dispense, under any circumstances, any fuel with greater than one percent (1%) sulfur content by dry weight or any non-conforming fuel from any tank for distribution to a fuel user in Connecticut. Any fuel with greater than one percent (1%) sulfur dry weight at any facility shall only be transferred to sites outside of Connecticut, and never transferred to site(s) in Connecticut; and 4. The permittee shall designate one operating tank on the premises at all times to store fuel with one percent (1%) sulfur by dry weight or less to supply its own generating units. Such operating tank(s) may be designated as any of the non-day tanks to allow for routine maintenance or repairs. 5. Failure to maintain such records or failure to inform the DEP of all transfers may result in the DEP's revocation of approval.

Section IV: Compliance Schedule

COMPLIANCE SCHEDULE NOT APPLICABLE

TABLE IV: COMPLIANCE SCHEDULE				
Emissions units	Applicable regulations	Steps required for achieving compliance (Milestones)	Date by which each step is to be completed	Dates for monitoring, record keeping, and reporting

Section V: State Enforceable Special Terms and Conditions

Only the Commissioner of the Department of Environmental Protection has the authority to enforce the terms, conditions and limitations contained in this section.

- A.** This permit does not relieve the permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Environmental Protection or any federal, local or other state agency. Nothing in this permit shall relieve the permittee of other obligations under applicable federal, state and local law.
- B.** Nothing in this permit shall affect the Commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the permittee by the Commissioner.
- C.** Odors: The permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor beyond the property boundary of the premises in accordance with the provisions of RCSA Section 22a-174-23. Failure to comply with this requirement may result in the assessment of civil penalties and/or the issuance of a State Order.
- D.** Noise: The permittee shall operate in compliance with the Department of Environmental Protection's regulations for the control of noise (RCSA 22a-69-1 through 22a-69-7.4 inclusive).
- G.** Fuel Sulfur Content: The permittee shall not use #2 heating oil that exceeds three-tenths of one percent sulfur by weight as set forth in CGS Section 16a-21a.

TABLE V.A: NON-PERMITTED EMISSION UNITS			
Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Requirements
Hazardous Air Pollutants	Actual stack concentration less than Maximum Allowable Stack Concentration (MASC)	RCSA 22a-174-29, Table 29-1	<u>Monitoring and Testing Requirements</u> Verify emissions using AP-42 Fifth Edition. <u>Record Keeping Requirements</u> Make and keep records of hazardous air pollutant calculations. Retain such records and supporting documentation for a minimum of 5 years, commencing on the date such records were created (22a-174-33(o)(2)). <u>Reporting Requirements</u> Provide such records specified above to the Commissioner within thirty days of receipt of a written request from the Commissioner. (RCSA 22a-174-4(c)(1)).

Section VI: Permit Shield

NO PERMIT SHIELD IS GRANTED

In accordance with Section 22a-174-33(k) of the RCSA, a permittee complying with the conditions of this permit shall be deemed in compliance with any applicable requirements identified in Table VI below as of the date of issuance. Also, in accordance with Section 22a-174-33(k) of the RCSA, a permittee complying with the conditions of this permit shall be deemed exempt from any non-applicable requirements identified below as of the date of issuance.

This permit shall not alter or affect the following:

- A. the provisions of section 303 of the Clean Air Act, including the authority of the Administrator under the Act;
- B. the liability of an owner or operator of a Title V source for any violation of applicable requirements prior to or at the effective date of a Title V permit;
- C. the applicable requirements of the acid rain program under 40 CFR Part 72; and
- D. the ability of the Administrator or Commissioner to obtain information from the owner or operator of a Title V source.

TABLE VI: PERMIT SHIELD				
Regulated Pollutants	Emissions Units	Applicable Requirement or Non-Applicable Requirement Descriptions	Applicable Regulatory References	*Applicability

*For Applicability, use AR to indicate Applicable Requirement and NR for Non- Applicable Requirement

Section VII: Title V Requirements

The Administrator of the United States Environmental Protection Agency and the Commissioner of Environmental Protection have the authority to enforce the terms and conditions contained in these sections.

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

The date of submission to the Commissioner of any document required by this permit shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this permit, including, but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is delivered or the date three days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.

Any document required to be submitted to the Commissioner under this permit shall, unless otherwise specified in writing by the Commissioner, be directed to: Office of the Assistant Director; Compliance & Field Operations Division; Bureau of Air Management; Department of Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

Any submittal to the Administrator of the U. S. Environmental Protection Agency shall be in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; US EPA, Region 1; One Congress Street; Suite 1100 (SEA); Boston, MA 02114-2023.

B. CERTIFICATIONS [RCSA § 22a-174-33(b)]

In accordance with Section 22a-174-33(b) of the RCSA, any report or other document required by this Title V permit and any other information submitted to the Commissioner or Administrator shall be signed by an individual described in Section 22a-174-2a(a) of the RCSA, or by a duly authorized representative of such individual. Any individual signing any document pursuant to Section 22a-174-33(b) of the RCSA shall examine and be familiar with the information submitted in the document and all attachments thereto, and shall make inquiry of those individuals responsible for obtaining the information to determine that the information is true, accurate, and complete, and shall also sign the following certification as provided in Section 22a-174-2a(a)(5) of the RCSA:

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under Section 22a-175 of the Connecticut General Statutes, under Section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute.”

C. SIGNATORY RESPONSIBILITY [RCSA § 22a-174-2a(a)]

If an authorization pursuant to Section 22a-174-2a(a) of the RCSA is no longer effective because a different individual or position has assumed the applicable responsibility, a new authorization satisfying the requirements of Section 22a-174-2a(a)(2) of the RCSA shall be submitted to the Commissioner prior to or together with the submission of any applications, reports, forms, compliance certifications, documents or other information which is signed by an individual or a duly authorized representative of such individual pursuant to Section 22a-174-2a(a)(2) of the RCSA.

Section VII: Title V Requirements

D. ADDITIONAL INFORMATION [RCSA § 22a-174-33(j)(1)(X)]

The permittee shall submit additional information in writing, at the Commissioner's request, within thirty (30) days of receipt of notice from the Commissioner or by such other date specified by the Commissioner, whichever is earlier, including information to determine whether cause exists for modifying, revoking, reopening, reissuing, or suspending the permit or to determine compliance with the permit.

In addition, within fifteen days of the date the permittee becomes aware of a change in any information submitted to the Commissioner under this permit or of any change in any information contained in the application, or that any such information was inaccurate or misleading or that any relevant information was omitted, the permittee shall submit the changed, corrected, or omitted information to the Commissioner.

E. MONITORING REPORTS [RCSA § 22a-174-33(o)(1)]

A permittee, required to perform monitoring pursuant this permit, shall submit to the Commissioner, on forms prescribed by the Commissioner, written monitoring reports on January 30 and July 30 of each year or on a more frequent schedule if specified in such permit. Such monitoring reports shall include the date and description of each deviation from a permit requirement including, but not limited to:

1. Each deviation caused by upset or control equipment deficiencies; and
2. Each deviation of a permit requirement that has been monitored by the monitoring systems required under this permit, which has occurred since the date of the last monitoring report; and
3. Each deviation caused by a failure of the monitoring system to provide reliable data.

F. PREMISES RECORDS [RCSA § 22a-174-33(o)(2)]

Unless otherwise required by this permit, the permittee shall make and keep records of all required monitoring data and supporting information for at least five (5) years from the date such data and information were obtained. The permittee shall make such records available for inspection at the site of the subject source, and shall submit such records to the Commissioner upon request. The following information, in addition to required monitoring data, shall be recorded for each permitted source:

1. The type of monitoring or records used to obtain such data, including record keeping;
2. The date, place, and time of sampling or measurement;
3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;
4. The date(s) on which analyses of such samples or measurements were performed;
5. The name and address of the entity that performed the analyses;
6. The analytical techniques or methods used for such analyses;
7. The results of such analyses;

Section VII: Title V Requirements

8. The operating conditions at the subject source at the time of such sampling or measurement; and
9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

G. PROGRESS REPORTS [RCSA § 22a-174-33(q)(1)]

The permittee shall, on January 30 and July 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner a progress report on forms prescribed by the Commissioner, and certified in accordance with Section 22a-174-2a(a)(5) of the RCSA. Such report shall describe the permittee's progress in achieving compliance under the compliance plan schedule contained in this permit. Such progress report shall:

1. Identify those obligations under the compliance plan schedule in the permit which the permittee has met, and the dates on which they were met; and
2. Identify those obligations under the compliance plan schedule in this permit which the permittee has not timely met, explain why they were not timely met, describe all measures taken or to be taken to meet them and identify the date by which the permittee expects to meet them.

Any progress report prepared and submitted pursuant to Section 22a-174-33(q)(1) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

H. COMPLIANCE CERTIFICATIONS [RCSA § 22a-174-33(q)(2)]

The permittee shall, on January 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner, a written compliance certification certified in accordance with Section 22a-174-2a(a)(5) of the RCSA and which includes the information identified in Title 40 CFR 70.6(c)(5)(iii)(A) to (C), inclusive.

Any compliance certification prepared and submitted pursuant to Section 22a-174-33(q)(2) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

I. PERMIT DEVIATION NOTIFICATIONS [RCSA § 22a-174-33(p)]

Notwithstanding Subsection D of Section VII of this permit, the permittee shall notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows:

1. For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and
2. For any other regulated air pollutant, no later than ten (10) days after such deviation commenced.

J. PERMIT RENEWAL [RCSA § 22a-174-33(j)(1)(B)]

All of the terms and conditions of this permit shall remain in effect until the renewal permit is issued or denied provided that a timely renewal application is filed in accordance with Sections 22a-174-33(g), -33(h), and -33(i) of the RCSA.

Section VII: Title V Requirements

K. OPERATE IN COMPLIANCE [RCSA § 22a-174-33(j)(1)(C)]

The permittee shall operate the source in compliance with the terms of all applicable regulations, the terms of this permit, and any other applicable provisions of law. In addition, any noncompliance constitutes a violation of the Clean Air Act and Chapter 446c of the Connecticut General Statutes and is grounds for federal and/or state enforcement action, permit termination, revocation and reissuance, or modification, and denial of a permit renewal application.

L. COMPLIANCE WITH PERMIT [RCSA § 22a-174-33(j)(1)(G)]

This permit shall not be deemed to:

1. preclude the creation or use of emission reduction credits or the trading of such credits in accordance with Sections 22a-174-33(j)(1)(I) and 22a-174-33(j)(1)(P) of the RCSA, provided that the Commissioner's prior written approval of the creation, use, or trading is obtained;
2. authorize emissions of an air pollutant so as to exceed levels prohibited under 40 CFR Part 72;
3. authorize the use of allowances pursuant to 40 CFR Parts 72 through 78, inclusive, as a defense to noncompliance with any other applicable requirement; or
4. impose limits on emissions from items or activities specified in Sections 22a-174-33(g)(3)(A) and (B) of the RCSA unless imposition of such limits is required by an applicable requirement.

M. INSPECTION TO DETERMINE COMPLIANCE [RCSA § 22a-174-33(j)(1)(M)]

The Commissioner may, for the purpose of determining compliance with the permit and other applicable requirements, enter the premises at reasonable times to inspect any facilities, equipment, practices, or operations regulated or required under the permit; to sample or otherwise monitor substances or parameters; and to review and copy relevant records lawfully required to be maintained at such premises in accordance with this permit. It shall be grounds for permit revocation should entry, inspection, sampling, or monitoring be denied or effectively denied, or if access to and the copying of relevant records is denied or effectively denied.

N. PERMIT AVAILABILITY

The permittee shall have available at the facility at all times a copy of this Title V Operating Permit.

O. SEVERABILITY CLAUSE [RCSA § 22a-174-33(j)(1)(R)]

The provisions of this permit are severable. If any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the remainder of this permit and the application of such provision to other circumstances shall not be affected.

P. NEED TO HALT OR REDUCE ACTIVITY [RCSA § 22a-174-33(j)(1)(T)]

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

Section VII: Title V Requirements

Q. PERMIT REQUIREMENTS [RCSA § 22a-174-33(j)(1)(V)]

The filing of an application or of a notification of planned changes or anticipated noncompliance does not stay the permittee's obligation to comply with this permit.

R. PROPERTY RIGHTS [RCSA § 22a-174-33(j)(1)(W)]

This permit does not convey any property rights or any exclusive privileges. This permit is subject to, and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby, including Section 4-181a(b) of the Connecticut General Statutes and Section 22a-3a-5(b) of the RCSA. This permit shall neither create nor affect any rights of persons who are not parties to this permit.

S. ALTERNATIVE OPERATING SCENARIO RECORDS [RCSA § 22a-174-33(o)(3)]

The permittee shall, contemporaneously with making a change authorized by this permit from one alternative operating scenario to another, maintain a record at the premises indicating when changes are made from one operating scenario to another and shall maintain a record of the current alternative operating scenario.

T. OPERATIONAL FLEXIBILITY AND OFF-PERMIT CHANGES [RCSA § 22a-174-33(r)(2)]

The permittee may engage in any action allowed by the Administrator in accordance with 40 CFR 70.4(b)(12)(i) to (iii)(B) inclusive, and 40 CFR 70.4(b)(14)(i) to (iv), inclusive without a Title V non-minor permit modification, minor permit modification or revision and without requesting a Title V non-minor permit modification, minor permit modification or revision provided such action does not:

1. constitute a modification under 40 CFR 60, 61 or 63,
2. exceed emissions allowable under the subject permit,
3. constitute an action which would subject the permittee to any standard or other requirement pursuant to 40 CFR 72 to 78, inclusive, or
4. constitute a non-minor permit modification pursuant to Section 22a-174-2a(d)(4) of the RCSA.

At least seven (7) days before initiating an action specified in Section 22a-174-33(r)(2)(A) of the RCSA, the permittee shall notify the Administrator and the Commissioner in writing of such intended action.

U. INFORMATION FOR NOTIFICATION [RCSA § 22a-174-33(r)(2)(A)]

Written notification required under Section 22a-174-33(r)(2)(A) of the RCSA shall include a description of each change to be made, the date on which such change will occur, any change in emissions that may occur as a result of such change, any Title V permit terms and conditions that may be affected by such change, and any applicable requirement that would apply as a result of such change. The permittee shall thereafter maintain a copy of such notice with the Title V permit. The Commissioner and the permittee shall each attach a copy of such notice to their copy of the permit.

Section VII: Title V Requirements

V. TRANSFERS [RCSA § 22a-174-2a(g)]

No person other than the permittee shall act or refrain from acting under the authority of this permit unless this permit has been transferred to another person in accordance with Section 22a-174-2a(g) of the RCSA.

The proposed transferor and transferee of a permit shall submit to the Commissioner a request for a permit transfer on a form provided by the Commissioner. A request for a permit transfer shall be accompanied by any fees required by any applicable provision of the general statutes or regulations adopted thereunder. The Commissioner may also require the proposed transferee to submit with any such request, the information identified in CGS Section 22a-6m.

W. REVOCATION [RCSA § 22a-174-2a(h)]

The Commissioner may revoke this permit on his own initiative or on the request of the permittee or any other person, in accordance with Section 4-182c of the Connecticut General Statutes, Section 22a-3a-5(d) of the RCSA, and any other applicable law. Any such request shall be in writing and contain facts and reasons supporting the request. The permittee requesting revocation of this permit shall state the requested date of revocation and provide the Commissioner with satisfactory evidence that the emissions authorized by this permit have been permanently eliminated.

Pursuant to the Clean Air Act, the Administrator has the power to revoke this permit. Pursuant to the Clean Air Act, the Administrator also has the power to reissue this permit if the Administrator has determined that the Commissioner failed to act in a timely manner on a permit renewal application.

This permit may be modified, revoked, reopened, reissued, or suspended by the Commissioner, or the Administrator in accordance with Section 22a-174-33(r) of the RCSA, Connecticut General Statutes Section 22a-174c, or Section 22a-3a-5(d) of the RCSA.

X. REOPENING FOR CAUSE [RCSA § 22a-174-33(s)]

This permit may be reopened by the Commissioner, or the Administrator in accordance with Section 22a-174-33(s) of the RCSA.

Y. CREDIBLE EVIDENCE

Notwithstanding any other provision of this permit, for the purpose of determining compliance or establishing whether a permittee has violated or is in violation of any permit condition, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information.